III. *An Account of* Mr Sam. Brown, *his* Third Book *of* Eaſt India Plants, *with their* Names, Vertues, Deſcription, *&c. By* James Petiver, Apothecary, *and* Fellow *of the* Royal Society. *To which are* added *ſome* Animals *ſent him from thoſe Parts.*

THeſe were gathered between the 22th and 27th of *March*, 1696. at *Chamberamback* and *Aumerampead*, 14 or 16 *miles* from *Fort St George*: Dry *ground* generally, and good *ſoil*. At this Place is a *Pond* 12 miles round.

93. *Tetum-cootan* Malabar. 93

Lycium *Chamberambacum* Laurifoliis floribus comoſis.

An Kanden Kara *Hort. Malab.* Vol. 5. *Tab.* 36. *Pag.* 71 *Raii* Hiſt. *Plant.* 1606. cap. 5. *H. Mal* V. 5. Tab. 36. p. 71.

This *Tree* grows about 30 or 35 foot *high*, and 8 or 9 inches *diameter*. The *Decoction* of the *Root*, *Bark*, *Leaves*, *Flowers* and *Fruit* (which is white, round, and as big as *Peaſe*) Cures *Coughs*, *Ulcers* of the *Lungs*, *Conſumptions* and Hectic *Feavers*: The *Natives* uſe it boyl'd up with *Butter* for the ſame. Mr *Sam. Brown.* *Ray* H. Pl. p. 1606. c. 5.

94. *Taheara* Malab. 94

Pajomirioba hexaphylla *Glycyrhizæ* foliis. *an.* Senna *Orientalis* hexaphylla. *Tala* Zeylonenſibus *Hort.* Acad. *Lugd. Bat.* 557. deſcript. *H. Leyd.* 557.

Grows about 2 foot and a half *high*. The *Leaves* ground with hot water and drank expels *Wind*: outwardly *applied* Cures *Itch* and *Scab*. S. B.

95. *Caut maun-chedde* Malab.

I cannot perceive this to differ either in *Flower* or *Fruit*, and eſpecially in its *Leaves*, from our *Mango Sylveſtris* Madraſpat. *fructu* Ceraſi *Muſei* noſt. 659. and men- 94

tioned in the *Philoſ. Tranſ.* No 264. p. 581. 1. Nevertheleſs Dr *Plukenet* hath made them two, and given them new names in his *Mantiſſa*, p. 125.

This *wild Mango* Tree is 12 or 14 foot *high*, and as *thick* as a mans Leg. The *Fruit* ſowre, and big as a *Hazel-nut*. A Decoction of the *Root*, *Leaves*, *Flowers*, *Bark* and *Fruit*, or 3 ſpoonfuls of the Juice of them taken night and morning Cures Running of the *Reins* and
96 Sharpneſs of *Urine*. S. B.

96. Tauneekia *Malab.*

Dale 444 Cer. 1316. --em 1500. Park 247. CB. 445. 3. IB. 2. 201. --Pr. 7. 18. Chabr. 13. 6. *H. Mal.* V. 4. Tab. 10. p. 23.

Myrobalanus *Bellerica* Officinarum *Dale* Pharmacolog. p. 444. *Ger.* 1316. Fig. *id emac* 1500. Fig. *Park.* 247. Fig. 3. *Raij* Hiſt. *Plant.* 1532. 5.

Myrobalani *rotundæ* Bellericæ, *C. B.* 445. 3.

Myrobalani *Bellericæ* rotundiores *IB.* l. 2. 201. Fig. p. 206. deſc. *id.* Prodr. 7. Pl. 18. Myrobalani *Bellericæ* Chabr. 13. Fig. 6.

The *Figure* and *Deſcription* of the *Tani* in the 4th Volume of the *Hort. Malabar.* Tab. 10. p. 23. ſeems very well to agree with this Tree. Vid. *Raii* H. Plant. 1547. cap. 53.

This grows about 8 or 10 foot *high*, and 6 or 7 inches *diameter*. The *Fruit* purges Choler: The *Root*, *Bark* and *Leaves* boyl'd in Water and drank purges *Phlegm*; and theſe mixt with other things ſerve to cure almoſt all *Diſtempers*, according to the Doctrine of the Natives. S. B.

The *World* is very much obliged to Mr *Sam. Brown*
97 for the certain knowledge of this Tree, which has hitherto lain in Obſcurity, we having until now only ſeen the *Fruit* in the *Shops*.

97. Cadal-Cungee *Malab*

Pimienta *Chamberambaca* Myrti Laureæ foliis fructu coronato.

This grows 6 or 7 foot *high*, and as thick as ones *arm*. The whole Plant, ground either with Milk, Tire or hot Water

Water cures the *Diabetes :* it ſeldom fails. This ſort is the beſt for Phyſick of all the 4 *Cungees.* S. B.

Mr *Edward Bulkley* Surgeon informs me, that a *Decoction* of this drank twice a day is good in the *Gout* and pains of the *Side.* Muſ. Pet. 361. A& Phil. No 267.

This differs from the *Baccifera* Madraſpatana *Myri Laureæ* foliis vix perforatis *Muſ.* Petiver. 361. & *Act.* Phil. N. 267. p. 711. 75. in having its *Leaves* thicker and leſs veiny, the *Flowers* larger, and the top of the *Fruit ſtellated,* whereas the other is *pointed.* p. 711. 75. 98

This grows alſo at *Arcaut* and *Pedea-paulum Arnee.*

98. Tirnama pollee *Malab.*

Patsjotti Zeylanica *Lauro Ceraſi* folio leviter ſerrato. *an* Arbor *Africana* ſubrotundo folio margine denticulis acutis aſperato, floribus pentapetalis atro purpureis *Alm. Bot.* 41. pl. 5. *Pluknet.* Tab. 263. Fig. 1 & 2. Alm. Bot. 41. pl. 5. Pluk. Tab. 263. Fig. 1. and 2.

The *Katou Patsjotti* Hort. Malab. V. 5. *Tab.* 7. p. 13 & *Raii* H. Pl. 1572. cap. 8. very well reſembles this Shrub.

The *Flowers* of this are yellowiſh in my Specimens, and not of a deep Purple, as Dr *Plukenet* affirms, but the *Calyces* when full ripe are ſo, which I ſuppoſe may be thoſe the Dr calls Flowers. Dr *Herman* firſt ſent me this from *Ceylon,* I have ſince receiv'd it from *Viriaga patan,* among thoſe Mr *Wynn* Surgeon brought me. I have alſo had it out of the *Company's Garden* at *Fort St George,* and wild from ſeveral places thereabout, but as yet I have not ſeen it from any part of *Africa,* much leſs from the *Cape of Good Hope,* from whence Dr *Plukenet* ſays he had it. It grows 8 or 9 foot high, thick as a Mans Arm. The *Root, Bark* and *Leaves,* either in *Powder* or *Decoction,* cures lingring or Hectick *Fevers,* or as theſe people expreſs it, a *Fever* in the *Bones.* It's of kin to No 50. *S.* B. *It may be ſoin* Vertue *as a* Pectoral, *but not in* kind *that being an* Apocynum. 99

99. *Sirrunar-vellee* Malab.

Sebeſtenæ folio Frutex, Foribus racemoſis.

Grows about 10 foot *high*, and 6 inches *diameter*. A Decoction of the *Bark* and *Leaves* cures the running of the *Reins*, the powder of the *Root* cures the *Cough*. S. B.

100 100. Adhatoda *Malabarica* Echicides.

H. Leyd. 668. A&t. Phil. No. 244. p. 330. 36 *Euphraſiæ* affinis *Indica* Echioides *H. Leyd.* app. *deſc.* & Fig. 668. Nella mulle *Malab.* Under which name I have already mentioned it, in *Act. Phil.* No. 244. p. 330. 36. with its ſeveral other ſynonyms.

Grows about a foot and a half *high*. A *Decoction* of this, the Natives ſay, cures the *Dropſie* by provoking great plenty of *Urine*. S. B.

101 101. Perreaurulla *Malab.*

Muſ. Petiv. 69. 6. *H. Mal.* V. 7. Tab. xi. p. 21. Vitis *Madraſpat.* fructu azureo folio ſubrotundo & anguloſo *Muſ.* Petiver 696. *an* Schunambra-Valli *H. Mal.* Vol. 7. *Tab.* xi. p. 21.

This *Climer* is of kin to N. 67. The *Root* ground and drank in Water cures *Buboes*: The *Leaves* bruiſed and applied helps the ſame. *S. B.* Mr *Edward Bulkley*, who ſent it me by the name of Perreaurulle *Malab.* alſo affirms that the *Roots* ſtampt and applied Pultiſewiſe, is good to diſcuſs any *Swelling*.

102. Coda-ſallee *Malab.*

102 *Pluk.* Tab. 56. Fig. 3. Euphraſia *Chamberambaca* ſpicata, *Prunellæ* minoris folio, caule hirto. *an* Euphraſia Alſines anguſtiore folio Rubiæ modo ſpicata *Golcondea* Pluk. *Tab.* 56. Fig. 3.

This trails on the ground. The whole Plant ground with *Turmerick* in hot Water cures *Ulcers* and *Wounds*. S. B.

103. Caut-elmecha. *Malab.*

103 Limo ſyly-*Madraſpat.* pumila fructu parvo.

The *ſmall wild* or *Crab-Lime*.

Grows 4 or 5 foot *high*, and *thick* as ones wriſt. The *Natives* pickle the *Fruit* (which is about half as big as a *Lime*) for Sawce. The *Root* ground in hot Water corrects *Choler*. S. B.

104. Mooelle-cruettoo *Malab.* 104

Aurantium *Chamberambacum* ſpinis longis robuſtis.

Grows 5 or 6 foot *high*, and as *thick* as ones wriſt. This is a ſort of *Parkinſons* Coru *as I think*: Here grows 3 *ſorts* of this, which I ſend Specimens of. The *Natives* make *Oyl* of the *Fruit* of all theſe, which Cures the *Dead Palſie* and all ſorts of *Lameneſs*: The *Leaves* boyl'd in Water is good to bath in for the ſame. The *Root* is *Milky*, but the Natives here, ſo far as I can yet learn, uſe it not. The other two are call'd *Corute* and *Peren-Corutte*. *S. B.*

Dr *Plukenet* makes this the true *Cydonia* e Benghala *Acoſtæ* Phytograph. *Tab.* 170. fig. 5. We ſhould have been obliged to him if he would have given us a figure of it from his *own Specimen*, rather than have copied it from the *Hort. Malab.* Vol. 3. Tab. 37. where it is more amply and better done: Beſides, he would then have known it to be as different from this *Tree*, as a *Quince* is from an *Orange*, having made theſe both one in his *Correct* Mantiſſa, p. 60. Pluk Tab. 170. 5. H. M. V. 3. T. 37. p. 37.

105. Punnunga Narree *Malab.* 105

Coccifera *Madraſpat.* racemoſa Urucu folio molli flaveſcente *Muſ. Petiver.* 377. *an* Katou-mail Elou *H. Malab.* V. 5. Tab. 2. p. 3. *Ray* H. Pl. 1558. cap. 29. Muſ. *Petiv.* 377. *H. Mal.* V. 5. Tab. 2. p. 3. *Ray* H. Pl. p. 1558. c. 29.

This grows as *thick* as ones wriſt, and 6 or 7 foot *high*: The powder of the *Bark* of the *Root* and *Tree* cures the *Cholick* and *Gripes*, if taken in hot Water. *S. B.*

106. Nelle maraum *Malab.* Nilica-maram *Hort. Malab.* Vol. 1. Tab. 38. p. 69. *Anvali* Bram. *Ray* H. Pl. 1556. 2. *Flor.* Malab. 180. Pl. 17. *id.* Fol. 106 H. M. V. 1. T. 38. p. 69. *Ray* 1556. 2. *H. Mal.* 180. 17.

Myrobalanus *Emblica* Offic. *Dale* Pharm. 444. 5. *Ger.* 1316. Fig. *id.* emac. 1500. *Fig.* Park. 247. *Fig.* Ray *H. Pl.* 1531. 4. Dale 444. 5. Geler 1316 --em. 1500 Park. 247.

Myrobalanus *Emblica* Cluſ. *Exot.* 195. Fig. *ſeu* Embelgi *Arab.* quæ intelligit *Avicenna* ſub *Sinii* nomine lib. xi. c. 449.

My-

Ray 1531. 4. Cluſ. Ex. 195. Bont. 110. CB. 445. 5. Chabr. 13. IB. 2. 21. id. pr. 7. 17. Zan. 65. H. M. V. 1. T. 38. p. 70.

Myrobalanus *Bontii* lib. 6. p. 110. *Fig.* malà. *M.* Emblica foliis Securdicæ *Breyn.* Prodr. 1 & 2. nomine *Daon Malaccæ* accepti.

Myrobalani *Emblicæ* CB. 445. 5. *Chabr.* 13. *Fig.* 5. *M. Emb.* in ſegmentis, nucleum habentes anguloſæ IB. l. 2. p. 291. *Fig.* 206. deſc. *id.* Prodr. 7. Pl. 17.

Canna *Indica* arborea *Zan.* 65. Fig. 25. à Luſitanis *Marbelanes.*

Acaciæ foliis *Malabar.* fructu rotundo ſem. triangulo *Comel.* in *Hort.* Malab. V. 1. p. 70.

The Emblick Myrobalane.

Grows about 14 or 16 foot *high*, and *thick* as ones *Leg.* The *Natives* uſe the *Juice* of the *Fruit* with *Sugar* to purge *Choler:* It makes ſweet meat and *Pickle:* It's alſo good in *Fluxes.* S. B. Mr *James Cuninghame* Surgeon brought me the Fruit of this formerly from the Iſland of *Michowahi.*

107

107. Corutree *Malab.*

Act. Ph. No 244. p. 333. 43. *Acoſt.* c. 13 *Cluſ.* Ex. 265. and 227. *Park.* 1663. cap. 137. IB. 1. 89. Prodr. 3. 10. Ray 1657. 2. Ray 178. H. M. V. 4. T. 12. p. 27. Ray 1657.

Limo *Madraſpat.* apicibus foliorum fere ſinuatis fructu cuſpidato *Act. Phil.* No 244. p. 333. 43.

an Coru *Acoſtæ* cap. 13. *Cluſ.* Exot. 265. *Garc.* 133, c. 7. *Cluſ.* Exot. 227.

an Coru arbor *Park.* 1663. c. 117. Coru *Canarica* Arbuto vel Malo aureo ſimilis *I.B.* l. 1. p. 89. c. 20. *Prodr.* 3. 10. *Ray* 1781.

an Mal Naregam *H. Mal.* V. 4. Tab. 12. p. 27. *Ray*

an Malus Limonia pumila ſylveſtris *Zeylanica* D. Herman. *Comel.* in H. *Mal.* V. 4. p. 28.

It grows about 6 or 7 foot *high*, as *thick* as ones arm. It take it to be the *Coru* of *Parkinſon:* The *Vertues* as No 104. *S. B.*

108

108. Ville-Vittree *Malab.*

Covaalam trifoliatum minus e *Madraſpatan.*

It's here call'd by the *Portugueſe* Marmel da India, *or* Indian. *Quince Tree,* and is the ſame, I believe, with *Garcias*

cias his *Cydonia* de *Bengala*. 'Tis about 16 or 18 foot *high*, and about 8 or 10 inches *diameter*. A *Decoction* of the *Leaves* is a *Counter-poyſon* of the *Root*, purifies the *Blood* and corrects *Choler*, as the *Natives* phraſe it : but the *Fruit* decocted is a *Panacea* in all *Fluxes* and *Fevers*. S. B.

This, were it not leſs, may be much rather than No 104. as Dr *Plukenet* aſſerts the *Cydonia* de *Bengala* Garciæ 208. c. 14. *Cluſ.* Exot. 233. *Cydonia* exotica *CB.* 435. Malum *Cydonium* Indicum *Bontii* 98. Fig. *Cyrifole* Fragoſæ 61. c. 16. *Covalam* H. Mal. V. 3. *Tab.* 37. p. 37. *Ray* H. Pl. 1665. c. 1.

Garc. 208. c. 14. Cluſ. Ex. 233. CB. 435. Bont. 98. Frag. 61. H. M. V. 3. Tab 37. p. 37. Ray 1665. 1.

I firſt received the *Cydonia de Bengala* Garciæ, *&c.* from that moſt accurate Botaniſt *Jacobus Breynius* at *Dantzick*, ſent him by Dr *Herman* from *Zeylon*; from which *Iſland* I have ſince had it from other hands. My ingenious Friend Mr *James Cuninghame* Surgeon obſerved it about *Batavia* (where *Bontius* alſo did) and ſays the *Javians* call it now *Malliac*; and before that he brought it me from *Bengale* by the name of *Beel*, which has ſome affinity with what *Garcias* ſays, *viz.* that in *Bengale* it's call'd by the Phyſicians only, and in their Writings *Beli*, but by others it's commonly known by the name of *Sirifole*. He alſo confirms what Mr *Sam. Brown* and the *Hort. Malab.* aſſerts, *viz.* that the Fruit cures *Diarrhea's* and *Fluxes*.

109. Care-vail-maraum *Malab.*

I take the *Malabar*-word *Care* or *Cara* to ſignifie Black (as *Care* Nucheel, or Black *Agnus Caſtus*, Act. *Phil.* No 244. p. 319. N. 12. and confirm'd hereafter at No 121) and is, I ſuppoſe, added here to diſtinguiſh it from another ſpecies, whoſe *Bark* is *red*.

Act. Ph. No 244. p. 319. Pl. 12.

This, I think, is the *Acacia*, or *Ægyptian thorn*, it grows 15 or 16 foot *high*, and about 7 or 8 inches *diameter*, tho I have ſeen it much greater up the Country. A ſtrong Decoction of the *Bark* of this Tree, by waſhing the *Teeth* and

and holding it int he mouth, cures the moſt rebellious *Tooth-ach*, as I have often experienced. The Decoction of the *Root* cures *Fluxes*: The *Natives* uſe not the *Fruit*, but I have made an *Extract* of it, of excellent uſe in *Fluxes*, and is alſo good in the *Diabetes*. S. B.

Acacia globoſa *Orientalis* ſiliquâ cinereâ villoſâ monilis forma.

Hern. 886. Park. 1548 1. CB. 392. 1. Ray 976. 1. *an* Acacia *Ægyptia* Hermandez 886. Fig. vera ſeu ſpina *Ægyptiaca* Park. 1548. *Fig.* 1. Acacia foliis Scorpioidis leguminoſæ *CB.* 392. pl. 1. *Ray* H. Pl. 976. 1.

The pods are hoary and gray. *Veſlingius* obſerves them to vary very much in their length, *viz.* from an inch to more than a ſpan long, and from 3 or 4 to 8 or 10 diviſions like a *Necklace*. This before us has xi, with one dark flattiſh circled ſeed in each. *Parkinſon*'s Figure p. 1548. taken from *Veſlingius* is very like this Plant, and particularly the pod which he has mended, and added to it.

Park. 1548. 2.

110 110. Chenopodium polyſpermum *Orientale* floribus racemiferis.

This grows about 4 foot *high*, and 2 fingers *thick*. The Natives boyl and eat it. S. B.

111. Balſamina aquat Indiæ *Oriental*. fol. majore.

111 Is about 4 foot *high*, branches ſlender; the whole Plant, ground with Water, cures the bites of venemous *Inſects*, if the Body be rubb'd with it. *S. B.*

112. Adundee *Malab.*

112 The *Bark* and *Root* of this, ground with Water, and a ſpoonful taken, cures *Rheumatiſms*, and is good in a *Gonorrhea*. S. B.

113. Tagada *Gent.* Shevada *Malab.*

113 Turbith *Orientalis* folio cordato.

an Kattu Kelengu *H. Mal.* V. xi. Tab. 51. p. 105.

Garc. 145 cap. 36. This Climer ſpreads very much: I take it to be the *Turbit* or *Tiguar* of *Garcias*. The Natives cut this *Root* in pieces about 2 inches long, the better to take off the *Bark*,

Bark, which they put into a clean Cloath, between two Earthen Pots unglazed which ſhut cloſe, the undermoſt being ¾ full of Milk, which they boyl almoſt all away, that the vapour may penetrate the ſaid *Bark*, which afterwards they dry in the Sun and powder it; a *dram* of this is a very gentle but brisk *Purge*, and does not gripe in the leaſt; mixt with other things it ſerves them for many *Diſtempers*. S. B.

114. Aſhoga-maraum *Malab.* 114

Panel *Madraſpat.* fol. anguſtiſſimo mucronato fructu majore *Muſei* Petiver 666. *an* Narum Panel H. Mal. V. 2. Tab. 10. p. 11. Ray H. Pl. 1636. cap. 20. Muſ. *Petiv.* 666. H. Mal. V. 2. Tab. 10. p. 11. Ray 1636. c. 20.

This grows 15 or 16 foot *high*, and 7 or 8 inches *diameter*. The *Root* and *Leaves* boyl'd in Water, and the ſick bath'd with it, cures cold *Pains* and *Rheumatiſms*. Dr *Plukenet erroneouſly* aſſerts theſe *Leaves* to grow oppoſite, and as *falſely* ſuppoſes it to be the *Asjogam* Hort. Malab. V. 5. Tab. 59. p. 117.

115. Mulla-*owla*-maraum *Malab.* 115

Waga *Madraſpat.* Spinoſa Mimoſæ foliis floribus parvis ſpicatis *Muſ. Petiver* 700. Muſ. *Petiv.* 700.

an Acaciæ genus *Indianum* floſculos ferens luteos racematim cohærentes, ſiliquis majoribus latis planis *Wawulethia* Cingalenſibus *D. Syen* in *H. Malab.* V. 1. p. 70.

This differs from the next only in being *bigger* and *prickley*; is about 16 or 18 foot *high*, and 7 or 8 inches *diameter*. The *Bark* and *Root* ground with hot Water cures *Catarrhs*, *Cough*, and pains of the *Head*, S. B.

I have reaſon to believe (having more than once obſerved it;) that generally where the *Malabar* word *Mulla* or *Mully* is applied, it ſignifies *Thorny*, as *Scueli* does in the *Hort. Malab.* as you may ſee in the 2d Volume Tab. 45, 6, 7 and 8, which are all like this *ſpinoſe*.

116. Owla-maraum. *Malab.* 116

Waga *Madraſpatana* Mimoſæ foliis floribus parvis ſpicatis. *Muſ. Petiver.* 699. Muſ. *Petiv.* 699.

This grows about man *high*, and has the ſame *Vertues* with the laſt. *S. B.* to which Mr *Bulkeley* adds, that a drink of its *Leaves* and *Bark* is good in ſhortneſs of *Breath*.

117 117. Aateener chedee *Malab.*

H. Mal. V. 1. Tab. 32. p. 57. Ray 1751. Mandaru *Chamberambaca* foliis rigidis venoſis, ſubtùs palleſcentibus. *an* Chovanna Mandaru 1. *Hort. Malab.* Vol. 1. Tab. 32. p. 57. *Ray* 1751.

The Trunk of this is 6 foot *high*, ſet with many branches of a fathom long, which extend paralliel with the Horizon, neither aſcending nor deſcending. This is of no uſe in *Phyſick*; but the *Natives* make *Ropes* of the *Bark*, which ſerve inſtead of *Match*. S. B.

Mr *Edward Bulkley* tells me, a *Decoction* of the *Leaves* and *Bark* of this Tree being drank is good for pains in the *Belly*, and confirms the making of *Ropes* and *Cables* of the latter for their *Country Ships*. Theſe *Leaves* are leſſer, ſtiffer and more veiny than the other kinds are whitiſh and ſomewhat ſoft underneath; the Pods are often crooked, about an inch *broad*, and ſome of them more than a ſpan *long*.

118 118. Cheerean *Malab.*

Waga globoſa *Madraſpat.* Mimoſæ foliis, ſiliquâ latâ, planâ, membranaceâ.

It is about 10 or 12 foot *high*, and 5 or 6 inches *diameter*; the powder of the *Bark* is good, taken in hot Water, for bites of *venemous Inſects*, the ſame is laxative, and ſtops *Fluxes*. S. B.

119 119. Coadevelle *Malab.* Chittra-Mullum *Gent.*

Biſtortæ folio minore planta, è *Chamberamback.*

Grows a foot or two high; is good for *Feavers*, *Pox*, *Itch*, *Scab*, and *Buboes*; and is a chief Ingredient in many compoſitions for various *diſeaſes*. 'Tis hot and fiery, therefore they do not take it inwardly alone, but mix the

the powder of the *Root* with Butter and hot Water, an ſo take it. *S. B.*

120. Nella-carambee *Malab.* 120

Jaca *Madraſpat.* fructu *Sparganii* Act. Phil. No 244. p. 329. 34. where it is deſcribed. This Tree grows 30 or 40 foot *high*, and about 3 yards in *Circumference*. The powder of the *Bark* cures heat of *Urine* and *Gonorrhea*. *S. B.* Act. *Phil.* No 244. p. 329. pl. 34.

121. Nuchulee *Malab.* Vairelchetto *Gent.* 121

Vitex *Madraſpat.* foliis latioribus digitatis, floribus racemoſis *Act. Phil.* No 244. p. 315. 3. where you have the Fruit exactly deſcribed, and how it differs from our *European Chaſt tree*. Act. *Phil.* No 244. p. 315. pl. 3.

This is 15 or 16 foot *high*, and 6 or 7 foot *thick*. The *Root*, *Leaves*, *Flowers* and *Fruit* being ground, expels *Wind*, and eaſes all pains, even thoſe of the *Gout*, as I have experienced. *S. B.*

Dr *Plukenet* ſtrangely contradicts himſelf, in affirming this to be his *Vitex* Orientalis *anguſtis foliis ſemper tripartito diviſis*. Phyt. *Tab.* 321. Fig. 2. whereas in this Specimen which he himſelf ſaw, there is not a pedicle with fewer than 5 Leaves or diviſions on each. *Phyt.* Tab. 321. T. 2.

There is another ſort which the Natives call *Cara*, or *black Nuchulee*, becauſe the *Stalks* are *black*, the *Flowers* and *Fruit* like the former, but leſs, and riſes not above 4 foot *high*. 'Tis good for the ſame as the former, both being hot, cure cold *pains*, the whole Plant is *Bitter*. S.B. This is the *Black Agnus Caſtus*, or *Adhatoda* Madraſpatana *Hydropiperis* folio *Act. Phil.* No 244. p. 319. 12. I take it alſo to be the *Vada Codi* Hort. Malab. *Vol.* 9. Tab. 42. p. 79. *Act* Phil. No 244. p. 319. 12. H. Mal. 1. T. 42. p. 79.

122. Pulichee-maraum *Malab.* 122

Baccifera *Madraſpat.* Ribis more, floribus muſcoſis Juli inſtar Muſ. Petiver. 621. *an* Tſieriam-Cottam H. Mal. Vol. 5. Tab. xi. p. 28. Ray H. Pl. 1596. cap. 25. Muſ. *Petiv.* 621. H.M.V. 5. *Tab.* 11. p. 21 *Ray* 1596. c. 25.

Is about 6 foot *high*, as thick as ones *Wriſt*. The *Root*, *Leaves* and *Bark* are *Pectoral*, cures *Coughs*, *Conſumptions*, and Hectic *Feavers*. S. B.

123 123. Sunut-perai *Malab.*

Ficus *Chamberambaca* Limoniæ folio, fructu parvo racemifero.

Thick as ones Leg, and 7 or 8 foot *high*: The *Root*, *Bark* and *Leaves* in powder cures the Running of the *Reins*. S. B.

124 124. Cheru-cunnai *Malab.*

Pajomirioba *utriuſque Indiæ* Apios *Amer.* folio.

an Senna *Occidentalis* odore *Opii* viroſo, *Orobi Pannonici* foliis mucronatis glabra *H. A. Lugd. Bat.* 556.

H. *Leyd.* 556. *Trt.* 93. *Piſ.ed.* 1. 86. id. 2. 185. Ray 912.

an Pajomirioba *du* Tertre 93. Pajomirioba *prior* Piſ. *ed.* 1. p. 86. Pajomirioba 1. *Piſ.* ed. 2. p. 185. *Pajomirioba*, *Orobus* Braſilianus *flore* Loti *luteo* Marcgr. *Raii* H. Pl. 912.

Here are two ſorts of this: The other is call'd *Cunnai* or *Conai* (*which is the* Caſſia Fiſtula Officinarum.) This grows 6 foot *high*, and as *thick* as ones Wriſt. The powder of this will cure the *Pox*, *Ulcer*, and Rebellious *Itch*; *Doſe* one Drachm. S. B.

I have received this Plant from the *Canaries*, *Cape of Good Hope*, *Guinea*, *Barbadoes*, as alſo from *Suratt*, and other parts of the *Eaſt Indies*.

125 125. Mogula-maraum *Malab.*

Kauki *Zeylanica* folio acutiore.

H. M. 1. Tab. 20. p. 33. Ray 1564 cap. 34.

Elengi *Hort. Malab.* Vol. 1. Tab. 20. p. 33. Varalli *Bram.*

Prunus *Malabarica*. fructu calyculato *Ray* H. Pl. 1564. c. 34.

Oleæ affinis Pyrifolio *Malab.* flore odorifero ſtellato *Syen.* in *Hort.* Malab. V. 1. p. 34. Manumal *Zingalenſibus*, *i. e.* Arbor floribus odoriferis viſum confortantibus ac oculorum vitia ſanantibus *Herman.* Mſs. notis.

This

This grows 16 or 18 foot *high*. The *Flowers* ſmell very ſweet. A Decoction of the *Leaves* cures the *Tooth-ach*. (The *Hort. Malab.* confirms the ſame of the *Bark*.) The Fruit ground with Water and put in the *Eye*, cures the pain of the *Head*, from a cold cauſe. The *Root* cures the *Itch* outwardly applied. *S. B.*

I have the late famous *Jacobus Breynius* his Authority, that this is the true *Elengi* of the *Hort. Malab.* and not No 90. in Mr *Brown*'s laſt Book, as Dr *Plukenet* in his *Mantiſſa*, p. 21. *falſely* ſuppoſes, which he may be eaſily convinc'd of by comparing them together.

126. Coola guttee *Malab.* 126

Convolvulus *Madraſpat.* parvus, foliis biauriculatis. *Convolvulus* minimus procumbens *Acetoſellæ* foliolis, barbuſis ad imum quaternis, ſummo apice tricuſpidatis *Pluk.* Tab. 147. fig. 5. *Muſ. Petiver.* 47. Pluck. Tab. 147. Fig. 5. Muſ. Pet. 47.

This whole Plant ground with Water and given, cures the pain which ſome *Women* have at the coming of their *Menſes*. S. B.

127. Aumacarun calunga *Malab.* 127

Alkakengi foliis mollibus fructu *Aſparagi*.

Grows about 4 foot *high*, has a tuberous *Root* as thick as ones Wriſt, but very ſhort: Which ground with *Lime juice* and applied cures *Impoſthumes*, the *powder* of the *Root* cures *Hectick Feavers*, *&c.* the *Fruit* provokes *Urine*. S. B.

Dr *Plukenet* makes this the *Solanum ſomniferum verticillatum* CB. 167. and ſays it's the *Pe-Vetti* Hort. Malab. Vol. 4. Tab. 55. p. 113. *Ray* H. Pl. 1630. Whereas the Commentator Dr *Commelin* rather ſuppoſes it to be the *Solanum ſomniferum*, Antiquorum *Proſp. Alpin.* p. 71. but I cannot think the *Pe Vetti* either of them, becauſe that is a *Tree*, and this before us is an *Herb*: Beſides, its *Figure* and *Deſcription* differs from this in many particulars. There are 2 of this kind in the 10th *Volume* of the *Hort. Malab.* which it rather reſembles, *viz.* Tab. 70 & 71. 128.

128 128. Cheru-Mandaree *Malab.*

Mandaru Unaneercoondica, floribus majoribus venoſis, *Criſta Pavonis* ſiliquâ.

H. M. V. 1. Tab. 35. p. 63. Ray 1752. c. 4. Caut-Mandaree *Malab.* Act. Phil. No 244. p. 333. Pl. 42. *an* Canſchena pou *H. Mal.* Vol. 1. *Tab.* 35. p. 63. *Raii* H. Pl. 1752 Cap. 4.

Mr *Sam. Brown* refers this to No 55. in the laſt *Book* where the Label was miſplac'd, as I there hinted, the Specimen being the *Wellia Tagera*, Hort. Malab. Vol. 6. Tab. 9 & 10. p. 17.

H. Mal. V. 6. Tab. 9. and 10. p. 17. This differs from No 117. in having thinner and leſs veiny *Leaves*, the *Pods* alſo much ſmaller, ſtrait and ſoft, about half an inch broad, and little more than 3 long, in ſhape reſembling the *Pride of Barbadoes*, but flatter.

129 129. Ponau verre poondoo *Malab.*

Onobrychis diphyllos *Indiæ* utriuſq; & *Guineenſis.*

Cat. Pl. Jam. 73. Pluck. 102. and 246. f. 6. H. Mal. V. 9. Tab. 82. 161. Hedyſarum minus diphyllum fl. luteo *Cat. Plant.* Jam. 73. Onobrychis *Madraſpat.* diphyllos ſiliculis aſperis *Plukenet* Phyt. Tab. 102. Fig. 1 & Onobrychis *Madraſp.* diphylos minor, ſiliculis hirſutis *Ejuſd.* Tab. 246. Fig. 6. *an* Nelam Muri *Hort. Malab.* Vol. 9. *Tab.* 82. p. 161. Singari *Bram.*

Dr *Plukenet* in his *Mantiſſa*, p. 140. very arrogantly blames Dr *Sloan* for making this Plant two of his, and and ſays it's his wonted Cuſtom: It were to be wiſh'd, this modeſt Author did know his own Plants better, he would then give Dr *Sloan* and others leſs occaſion for theſe *juſt* and *frequent* Reflections.

I have received this Plant from *Guinea*, and ſeveral times from the *Eaſt Indies*, and find it to be the ſame with Dr *Sloan*'s from *Jamaica*, and both Dr *Plukenet*'s, which he was formerly ſo kind to ſhew me.

This eat with *Rice*, cures the *Gonorrhea.* S. B.

130 130. Cautà cuddee *Malab.*

Coccifera *Chamberambaca* Caſſiæ fiſtulæ minoris folio, fructu Reniformi.

Had

Had that accurate Botaniſt Dr *Plukenet* but known the Fruit of the *Cocculus Indiæ*, he would not have thus erroneouſly atteſted this to be it, and at the ſame time to affirm the *Natsjatam* Hort. Malab. *Vol.* 7. *Tab.* 1. p. 1. to be very different from the *Cocculi Indorum*, whereas that it is the ſame, the *Hort. Malab.* not only poſitively aſſerts, but I can prove it by *Specimens* I have to ſhew of its *Leaves* and *Fruit*, which Mr *Edward Bulkley* ſent me from thoſe parts. H. M. V. 7. Tab. 1. p. 1

This is a *Climer*, and being ground and mixt with Water, makes it ropey like whites of Eggs and clammy, which drank cures the *Running of the Reins*, 3 ſpoonfuls a *Doſe*. S. B.

Pray take notice, that this *Quality* and *Vertue* is meant of the Plant before us, and not of the *Coculus Indiæ* of the Shops, as the Doctor has unhappily atteſted, that being a known intoxicating *Poyſon :* I therefore caution all people to beware of what this Phyſician has aſſerted in his pretended *Correct Mantiſſa*, p. 52. N. B.

131. Noona chedde *Malab.* 131

Macandou, Arbor Conifera major, Periclymeni flore. *an* Arbor Conifera *Macandou* Bont. *Hiſt. Nat.* 97. Fig. *an* Cada Pilava *Malab.* Ma Cada Pala *Bram.* H. Mal. V. 1. *Tab.* 52. p. 97. *an* Arbor *Indica* fructu aggregato conoide *Cada Pilava* dicta *Ray* H. Pl. 1442. Bont. 97. H. Mal. V. 1. T. 52. p. 97. Ray 1442.

Grows 6 foot *high*, as *thick* as ones Arm. The powder of the *Bark* expels *Wind*, and gives a *Red Dye :* There are three *Species* of this *Tree*, the other two are *Surra Noona* and *Vela Noona*, both for the ſame uſe. S. B.

132. Surru pierru *Malab.* 132

Phaſeolus *Malab.* piloſus auriculatus, fl. flavo. H Mal. V. 8. Tab. 50. p. 95.

Katu Ulinu *Malab.* Udidi *Bram.* Grao do Pulia *Luſit.* Neer boonen *Belg.* Hort. *Malab.* V. 8. *Tab.* 50. p. 95.

This is *Mungo* of *Parkinſon* and *Garcias*, and is a cooling refreſhing Diet ; the *Moors* call it *Mungo*, and I believe

believe that which *Parkinſon* ſays is kin to it, is that the *Moors* call *Tour*, which they ſay is hot, and therefore give it for ſuch as hot diet is proper. Both theſe ſhake you. S. B.

133 133. Chata-maraum *Malab.*

Muſ. Petiv. 698. Waga *Madraſpat.* Minoſæ foliis pinnatis, ſiliquis maximis compreſſis, *Muſ. Petiver.* 698.

Is about a foot *diameter*, and 16 or 17 foot *high*; the Oyl of the *Fruit* by Expreſſion cures *Scald Heads*, the *Root* and *Bark* is Carminative, and expels *Wind.* S. B.

134 134. Paule-coodee *Malab.*

Scammonia *Chamberambaca* Androſemi folio.

This Cotton Climers Leaves the Natives boyl, and eat for ſpitting or vomiting *Blood*, drinking a Decoction of the *Root*, S. B.

135 135. Ullarehan *Malab.*

Is about a foot *high*, ground with Water cures *Sores.* S. B.

We are obliged to Dr *Plukenet* for informing us, that this Plant bears a ſpike of *hexapetalous Flowers*, ſince which that part is loſt, and here is now only remaining its Graſſy Leaves.

136 136. Paule-maraum *Malab.* Patsjotti *Zeylanica* Lauroceraſi folio, leviter ſerrato.

This grows 6 or 7 foot *high*, and thick as ones *Leg*; the *Fruit* is good for *Conſumptions* and hectic *Feavers*, is a little laxative; the Decoction of the *Root* and *Bark* is good for the ſame. *S. B.*

This is the ſame with No 98. aforegoing.

137 137. Calle relle *Malab.*

Ficus *Chamberambaca* Ponnæ *foliis*, fructu parvo gemino.

Grows about 6 foot *high*, and ſometimes as thick as a mans *Leg.* The whole Plant in powder ℥i. taken in hot Water cures internal ulcerated *Piles*, and is good in Ulcers of the Inteſtines. *S. B.* This chiefly differs from No 123 in having its Fruit grow by pairs without Footſtalks, and the *Leaves* thicker and more veiny.

To theſe we add the following Animals, *which our Ingenious Friend Mr* Edward Bulkley, Surgeon, *lately ſent me from* Fort St George.

1. MUſculus *Madraſpat.* fluviatilis, medius intùs argenteus. 1

The largeſt of theſe I have yet ſeen, exceed not an inch in *breadth*, and not quite 1 ½ in *length*; amongſt them I have obſerved a gradual decreaſe to about ½ the bigneſs. The Shells are indifferent thick, of a dark brown on the *outſide*, and ſilver *within*.

2. Unicornu *an* Fluviatilis, minor *Madraſpat.* lineis fuſcis undatis. 2

This Shell runs very *taper*, and has about 10 *twirls*, the uppermoſt circled with many fine *ſtriæ*, ſtrip'd with brown curl'd lines, the lower twirls ſeem cancellated or lattic'd, I have ſeen of theſe from near an inch to an inch and half *long*. The *Mouth* ½ inch wide, and one *long*, *oval* without fiſſure.

3. Rhombus *Madraſpat.* ex albo flavoq; mixtus, guttulis croceis circumſcriptis. *The Catterpillar.* 3

an Rhombus gravis roſtro ſtrictiore, ſtriis punctatis circularibus exaſperatis *Liſt.* Hiſtor. *Conchylior.* lib. 4. *Sect.* 10. Tab. 744. Fig. 34. *Liſt.* Hiſt. Conchyl. lib. 4. Sect. 4. Tab. 744. Fig. 34.

This is a very elegant Shell, and the largeſt I have yet ſeen was with the Reverend Mr *Stoneſtreet*, which was about the bigneſs of Dr *Liſter*'s Figure.

4. Rhomboides *Madraſpatan.* ex rufo alboq; mixtus, lineis circularibus catenatis. *an* Rhombus cylindro pyramidali tenuis & lineis interſectis circumſcriptis, clavicula acutâ Liſt. Hiſt. Conchyl. Lib. 4. Sect. 10. Tab. 765. Fig. 14. 4 Liſt. H.C. l. 4. S. 10. Tab. 765. F. 14.

This *weighs* 3 drams and 36 grains: Is 2 inches and ½ *long*, near 1 and ¼ *broad*, and 3 in *circumference*, its *mouth* where wideſt ½ an inch.

5. Rhombus *Madraſpat.* albus parvus, maculis quadrangularibus nigricantibus faſciatis. *an* Rhombus albus cylindro Pyramidali, ex nigro rufeſcentibus Maculis undatis 5

Liſt H. C. l. 4. S. 10. T. 779. F. 25. Bon. 27. Fig. 122. tis circumſcriptis Liſt. H. C. L. 4. S. 10. Tab. 779. Fig. 25. *an* Bonan. p. 27. Fig. 122. About an inch and ¾ long, 3 quarters thick, and near 3 inches in circumference, weighs almoſt ʒii. Mr *Walter Keir* Surgeon hath alſo obſerved this near the Coaſt of *China*.

6 6. Turbo *Madraſpat.* minor, ex albo aureoque partim reticulatus, partim nubilatus.

7 7. Turbo *Madraſpat.* minor, ex albo & fuſco omnino reticulatus.

8 8. Perſicoides *Madraſpat.* faſciis capillaribus.

Liſt. H.C. l. 4. S. 10. T. 751. F. poſt. 46. 9 *an Liſt. Hiſt.* Conch. L. 4. S. 10. *Tab.* 751. *poſt* Fig. 46. *an* Bonan. p. 115. *Fig.* 15. 9. Unicornu *Madraſpat.* cujus gyri maculis ſtriiſque ſunt ornati. *Buccinum* dentatum clavicula longiſſima, imo quoque muricato orbe *Liſt.* H. C. L. 4. S. 11. *Tab.* 846. Fig. 75. This is an elegant Shell, having each twirl, eſpecially the bigger ones, finely ſtreak'd and ſpotted. It's about 3 inches *long*, and *weighs* ʒß and 15 grains.

10 10. Unicornu *Mauritianum* faſciis nodoſis & ſtriatis.

Liſt. H.C. l. 4. S. 15. T. 1025. Fig. 87. *an* Liſt. H. C. L. 4. S. 15. Tab. 1025. Fig. 87. Each *twirl* is knobbed and girdled with ſtreaks. It's near 4 inches *long*, and *weighs* almoſt ʒx.

Mr *Roche* firſt brought me this from *Maurice* his *Iſland* (which *Seamen* commonly call the *Moruſbias*,) ſince which Mr *Edward Bulkley* ſent it me with the aforegoing from *Fort St George*.

11 11. Folliculena *ſeu* Folliculum *Phalenæ*, ovale, appendice annulo terminante è *Madraſpatan*.

This is a wonderful *Inſect-Caſe* or *Coffin*, form'd by ſome ſort of *Silk* or *Cobweb-ſpinning Catterpillar*, but the *Moth* from whence it comes I cannot yet learn: Its peculiarity, which I have not obſerved in any other, is a *pedicle* with a Ring at the end of it, thro which this *oval Caſe* is faſtned to the *Branches* and *Twigs* of *Trees*, *Shrubs*, &c.

12 12. Capricornus *Madraſpatanus* major, humero cornibuſque ſpinoſis.

This

This *Goat-cheffer* is 2 inches and ½ *long*, and near one *broad*; on each ſide his *Shoulder* is a *ſpine*; his *Vaginæ* or *Sheath-wings* near this part are *ſprinkled* with little *eminencies*: the *Horns* about 3 inches *long*, compoſed of 10 *thorny geniculæ*.

13. Scara-blatta *Madraſpat.* Vaginis punctatis. 13

This is of the ſame ſhape and ſpecies (and only differs in being *pounct* like a *Thimble*) with a *Beetle*, which *Moffet* p. 139. hath given a *good Figure* of, and ſays it's deſcribed by *Pliny* acute cluna *which it has, and that in* Latin *it's* call'd *Blatta fœtida*: this I have obſerved in *Cellars* and *Vaults*, but do not find it ſtinks like the *Cock-roaches* or *Blatta navalis*, nor *domeſtica*, which are of another *Genus*. I have therefore diſtinguiſht theſe *wingleſs Beetles* under this title.

14. Scara-blatta *Madraſpat.* 6 albis maculis inſigniter guttatis. 14

This is an *elegant Beetle*, and the more rare being of the *unwinged kind*, like the laſt, of which I have not yet obſerved above 5 or 6 ſorts. Its *Horns* are near an inch *long*, compoſed of 10 or 12 Coralline-like *geniculæ*, as are his *feelers* of 3, his upper *forcipes* are ſtrong, the *middle* ſhort and ſmall, below theſe are his *feeders*, another pair which ſerve to carry his *food* to the upper *forcipes* or *cutters*. This Inſect is remarkably diſtinguiſht from all others, by 4 orbicular white ſpots on his *Vaginæ*, and 2 oblong ones on his Shoulder.

15. Scara-pecten *Madraſpat.* niger, naſo clypeato monocerato. 15

16. Scara-pecten *Guineenſis* niger, naſo ſerrato. 16

17. Cantharis *Madraſpat.* ruber, pedibus nigris. 17

18. Cantharus *exoticus*, ex nigro aurantioque faſciatus. 18

Theſe differ in *magnitude*: I therefore take them to be of the *oviparous kind*.

19. Cantharus minor *Madraſpat.* niger, bimaculis luteis 19

20. Cimex *Madraſpat.* major, e rubro & nigredine mixtus. 20

21 Cimex *Madraſpat.* minor, e rubro & nigredine mixtus. 21

22. Cimici affinis niger, maculis ochroleucis eleganter notatus, è *Madraſpatan.* 22

23. Bru-

23 23. Bruchus maximus viridis, *Viſci* alis *Madraſpatanus.*

24 24. Gryllus nigreſcens bimaculatus e *Symrna.*

This from *Fort St George* is the very ſame with a couple my hearty Friend Mr *Samuel Daniel* Surgeon brought me ſome years ſince from *Smyrna,* with the next, and ſeveral other very Curious Inſects.

25 25. Mantis *Smyrnea* gracilis, alis ſtrictioribus.

26 26. Bombylus *Madraſpat.* nigreſcens cruribus plumoſis.

27 27. Papilio *Madraſpatanus* nigreſcens, maculis ſanguineis pallidiſque interſperſis.

28 28. Papilio *Orientalis* nigreſcens, duplici ſerie maculis ſanguineis. This differs from the laſt in having all Scarlet ſpots in both the rows.

29 29. Papilio *Madraſpat.* nigreſcens, maculis rubris bifariam diſpoſitis.

This is very like the aforegoing, except that inſtead of the upper row of *ſpots,* they are here in a *cluſter.*

30 30. Papilio *Orientalis* caudatus nigreſcens, maculis albis ſemicirculari. *This is* diſtinguiſht *from others, in having a row of* White Spots *thro the middle of the lower wing, which to make a* Semicircle *is continued on the edges of the upper.*

31 31. Papilio *Orientalis* nigreſcens macularum albarum duplici ſerie marginatus. *This on the upper ſide has only* 2 *rows of greater and leſſer ſpecks along the lower edges, but on the other ſide each upper Wing has* 6 *ſpecks, and lower* 4 *out of row.*

32 32. Papilio *Orientalis,* e fuſco & albeſcente, ſtriis maculiſque mixtus. *Theſe* 3 *laſt Mr* James Cuninghame *and Mr* Charles Perry, Surgeons, *brought me formerly from other parts in the* Eaſt Indies, *and I have ſince received them from* Fort St George.

N. B. Moſt of the foregoing Inſects being wholly new, I ſhall refer you for a farther Idea of them to their *Figures,* which I deſign with other *Animals* and *Vegitables,* in the ſucceeding Tables of my *Gazophylacium Naturæ.*

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